Urban 40

BTF

Sistema de batente CE 40mm
sem rotura térmica

LOUSALU®

BTF - Desempenho / Performance

ITT - Ensaio de tipo inicial - Organismo notificado nº. 0856 - LNEC/LEC

Norma EN 14351-1

ETI - Essai de type initial - Laboratoire notifié nº.

Permeabilidade ao Ar
Perméabilité à l'air
UNE-EN 12207

A: Classe 1 (150pa (50m3)) | Classe 2 (300pa (27m3)) | Classe 3 (600pa (9m3)) | **Classe 4 (600pa (3m3))**

Estanquicidade à Água
Étanchéité à l'eau
UNE-EN 12208

E: 1A (0pa) | 2A (50pa) | 3A (100pa) | 4A (150pa) | 5A (200pa) | 6A (250pa) | 7A (300pa) | 8A (450pa) | 9A (600pa) | E750 (>600pa)

Resistência ao Vento
Résistance au Vent
UNE-EN 12210

V: ≤1/150 A (400pa 1) | ≤1/200 **B** (600pa 2 | 1200pa 3 | 1600pa 4) | ≤1/300 C (2000pa 5 | >2000 Exxx)

Ensaio realizado numa janela de batente de duas folhas com:
Essai réalisé sur une fenêtre de deux ouvrants à la française de: 1700 x 2020 mm

Certificado de ensaio/Certeficat d'essai nº 01/2010

Desempenho térmico e acústico / Performance thermique et acoustique

Elementos usados na base dos cálculos
Elements utilisés sur la base de claculs:

Janela oscilo-batente de 2 folhas com:
Fenetre oscilo-batant 2 venteaux avec:
2000 x 2200 mm

Composição e valores dos vidros / Composition et valeurs de vitrage

	Unidade de vidro (IGU)*	Ψ	Ug	g	Tlg	Rw (C;Ctr)
(a)	GuardianSun 4+12 Argon+Float 4mm	0,049	1,2	0,43	70%	30(-1;-3)
(b)	GuardianSun 4+12 Ar+Float 4mm	0,049	1,5	0,43	70%	30(-1;-3)
(c)	Float 4+16 Ar+Float 4mm	0,049	2,7	0,78	82%	34(-1;-5)

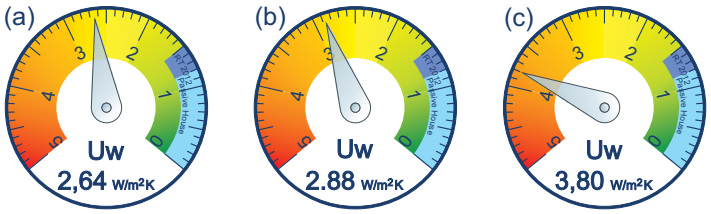
Ψ - Coeficiente linear junta aluminio/vidro (com Warm Edge Thecnoform Glassinsulation). **Ug** - Coeficiente Térmico **g** - Factor Solar **Tlg** - Transmissão Luminosa

Transmissão Térmica
Transmittance Thermique
UNE-EN 10077-2

$$Uw = \frac{\sum AgUg + \sum AfUf + \sum lg\Psi g}{\sum Ag + \sum Af}$$

Exterior / Extérieur

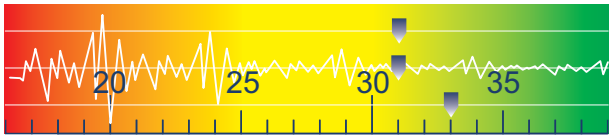
Interior / Intérieur



Atenuação Acústica
Isolation Acoustique
EN 14351-1+A1 (Anexo B)

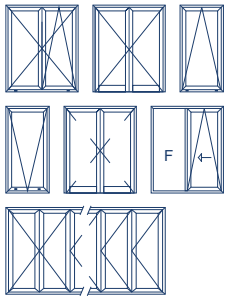
Rw (C;Ctr) com vidro / avec vitrage

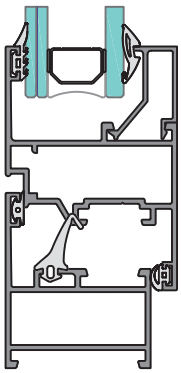
(a) 31 (-1;-4)
(b) 31 (-1;-4)
(c) 33 (-1;-6)

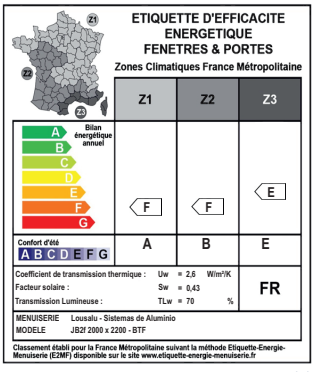


Tipologia e Classe energética / Typologie et classe énergétique

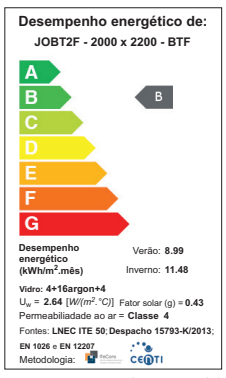
Tipologia construtiva
Typologie constructive







Avec vitrage (a)



Com Vidro (a)

Materiais, Tratamentos e Acabamentos / Matériaux, Traitement et Finition

Perfis / Profilés: Liga / alliage EN AW - 6060 (T5) - Acessórios / Accessoires: Canal Europeu
Vedantes / Joint d'étanchéité: EPDM / mousse de EPDM - Poliamida / Polyamid: Não Utilizada
Acabamentos / Finition: Anodizado, Lacado e efeito madeira / anodisé, Laqué et effet bois

Qualanod · QUALICOAT SEASIDE · QUALIDECO

* Fonte: Guardian Performence Calculator 4.1 e Acoustic Database 20171102 by Guardian Glass. Os valores apresentados são apenas ilustrativos, pois podem variar em função dos vidros a aplicar em obra.

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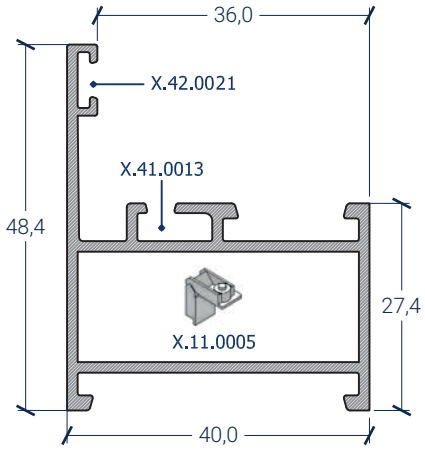
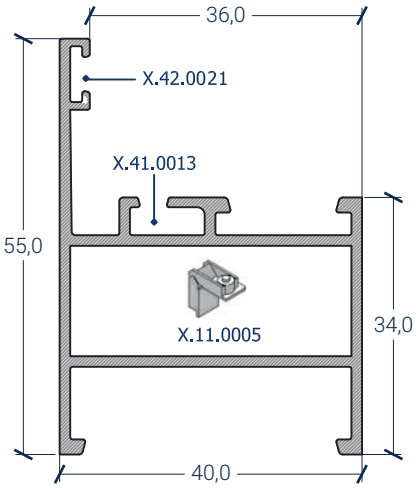
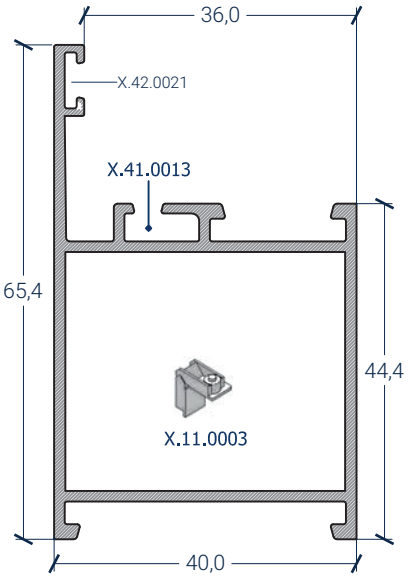
Aros fixos



BTF.3650



BTF:3806



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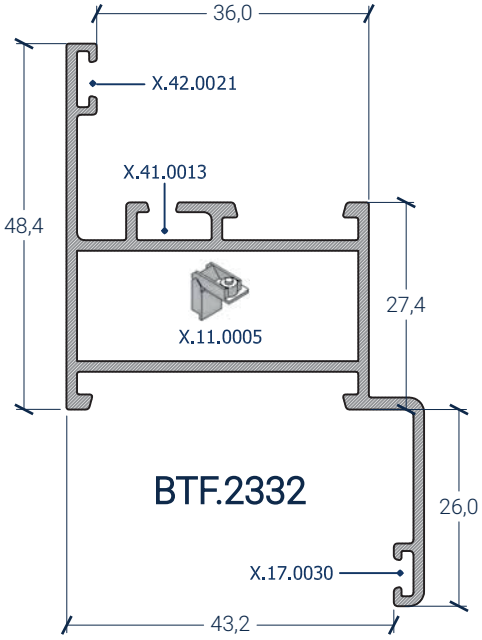

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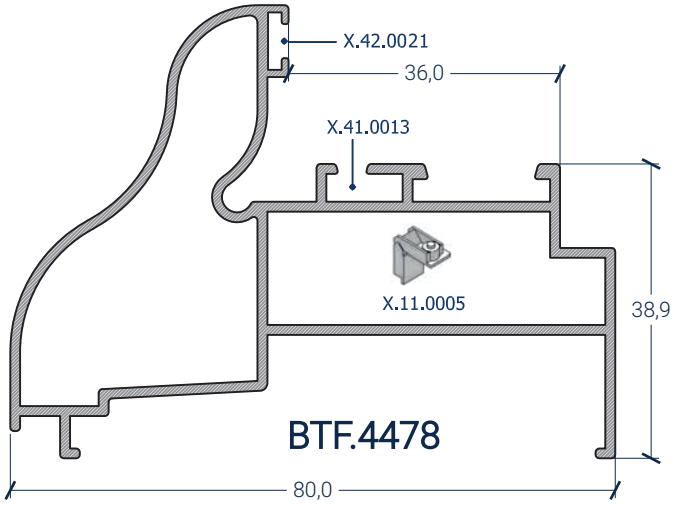

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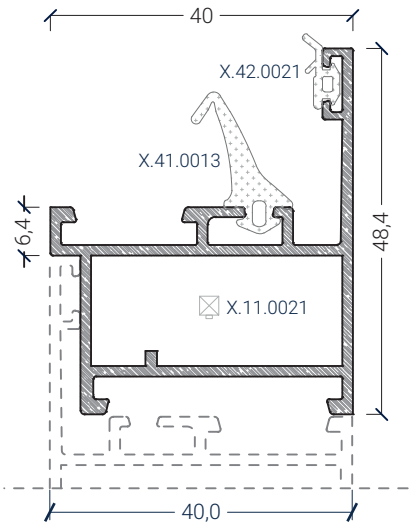
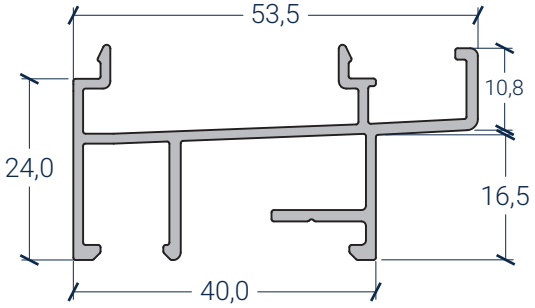
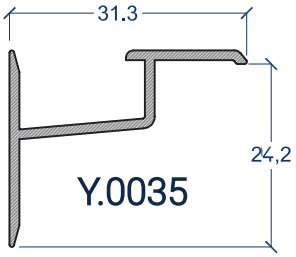
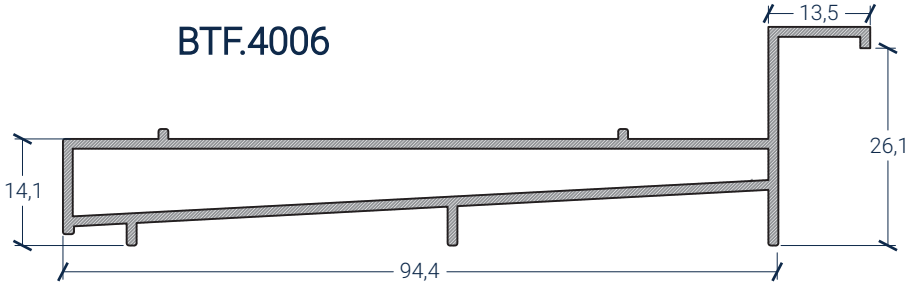


BTF.4669



BTF.4006





BTF.2066

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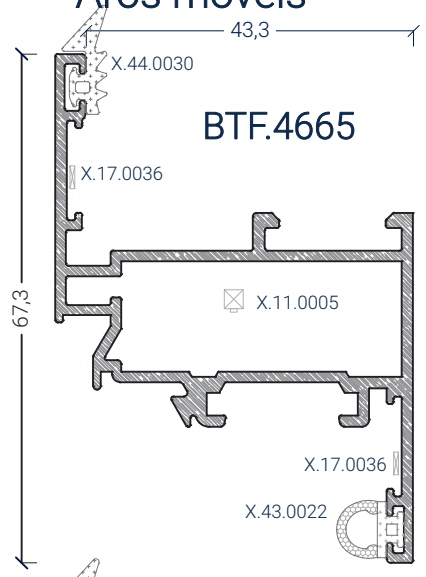
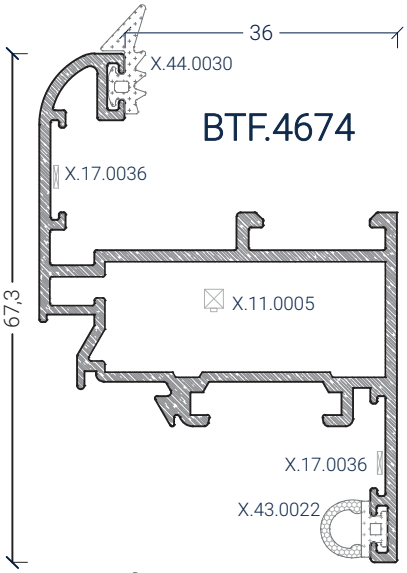
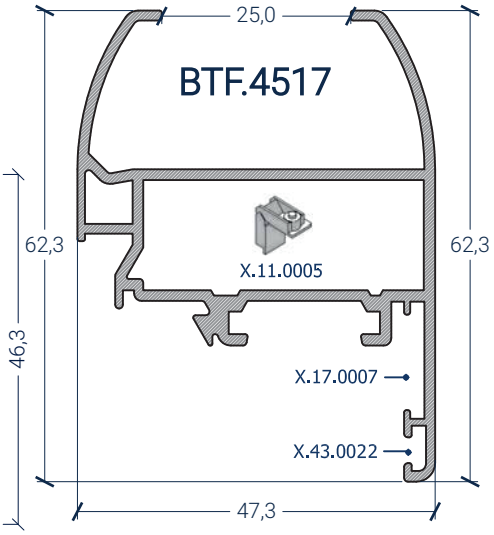
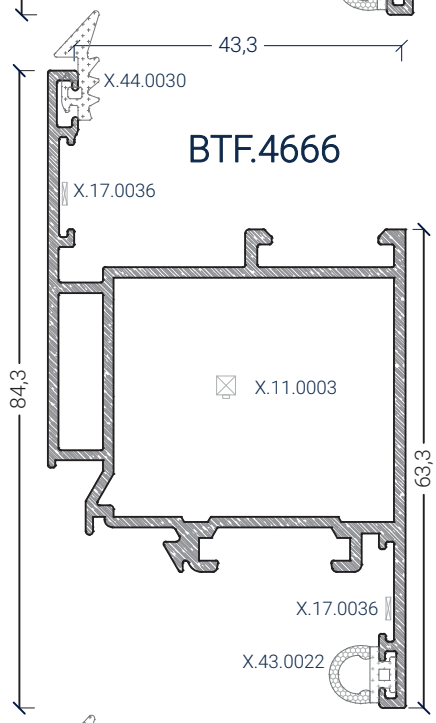
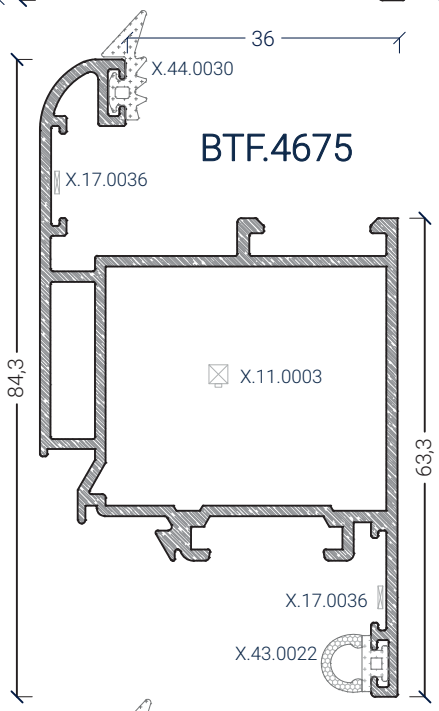
Aros móveis

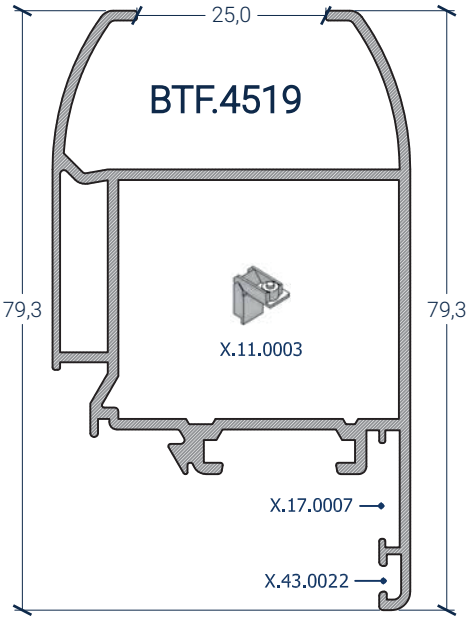


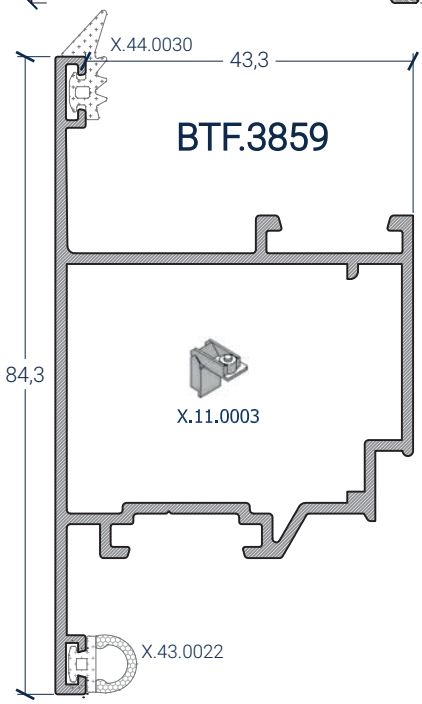


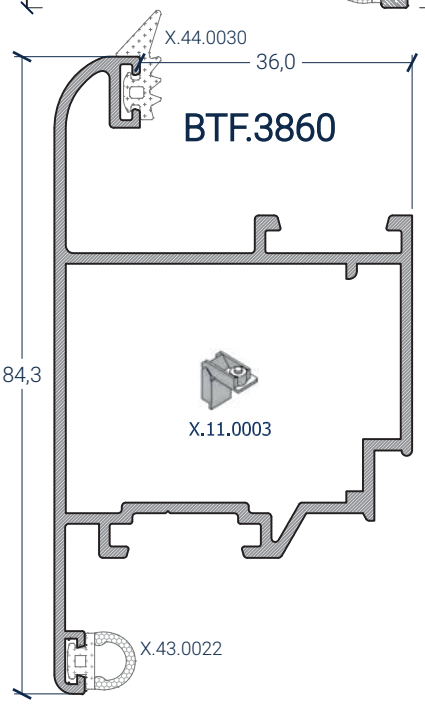


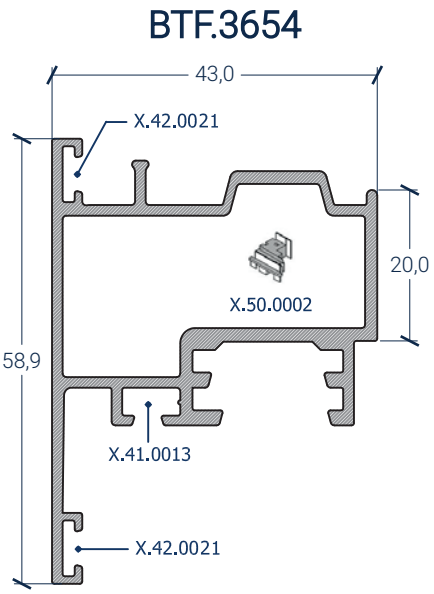












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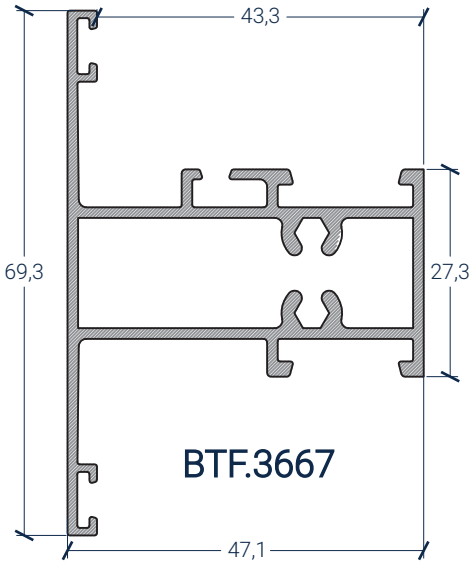
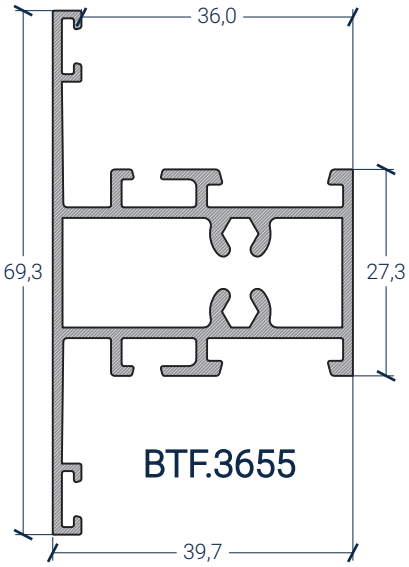
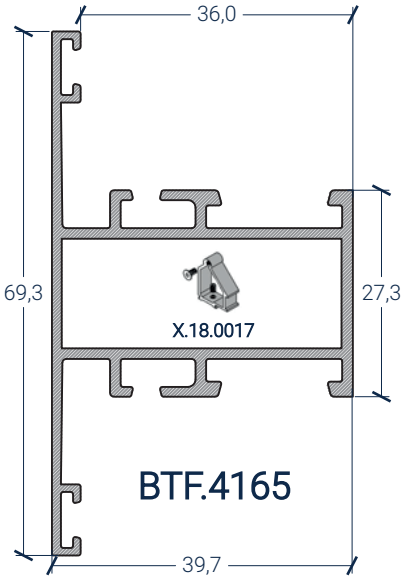
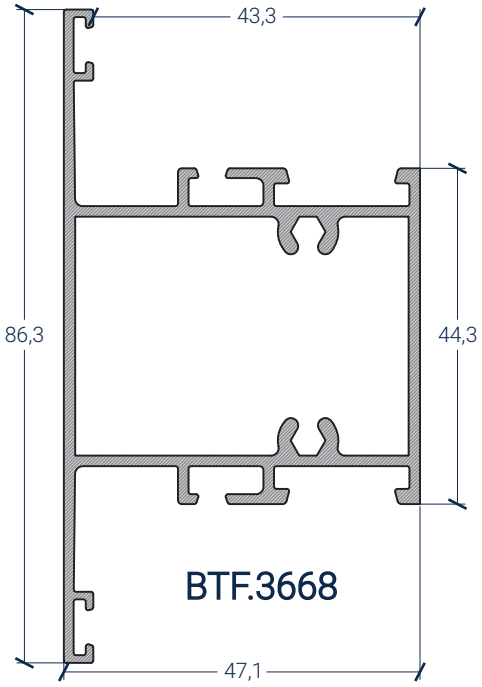
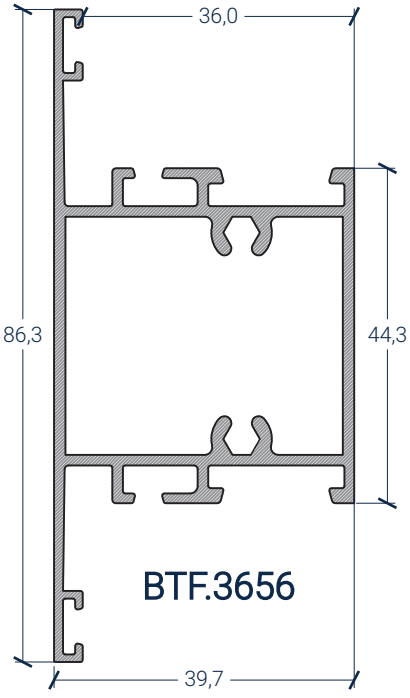
T's e Montantes

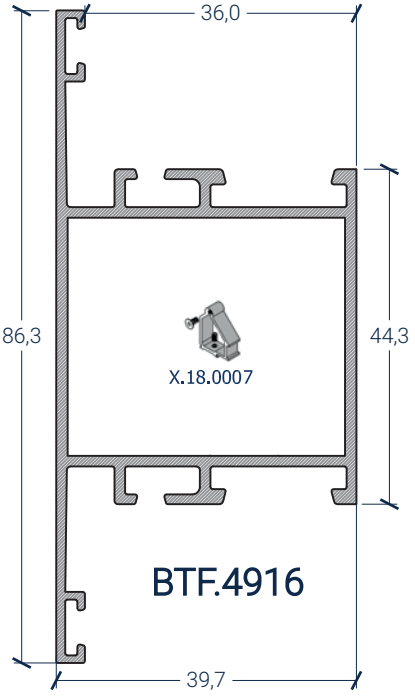


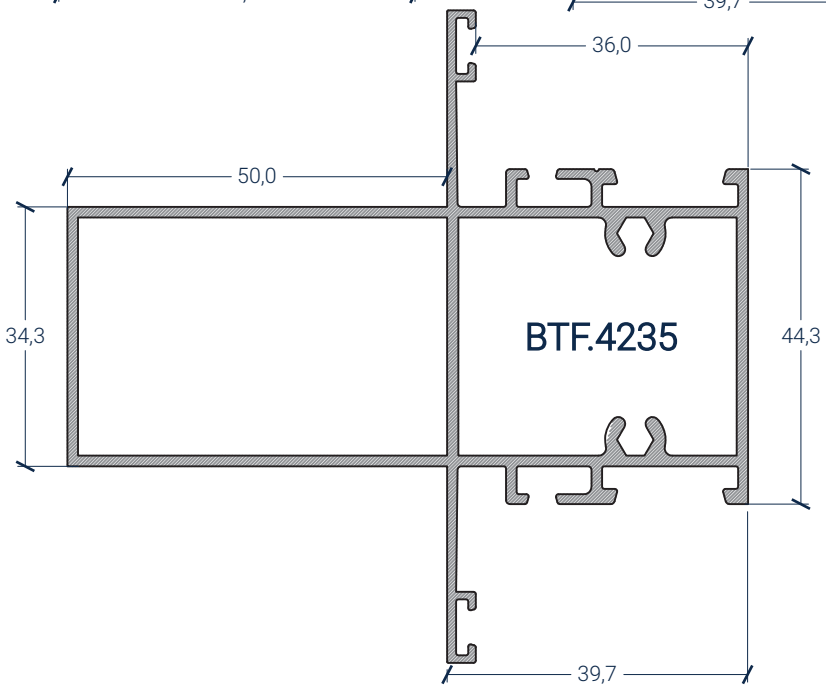












X.18.0007
União trav. (22 x 26

X.18.0017
União trav. (22 x 14)

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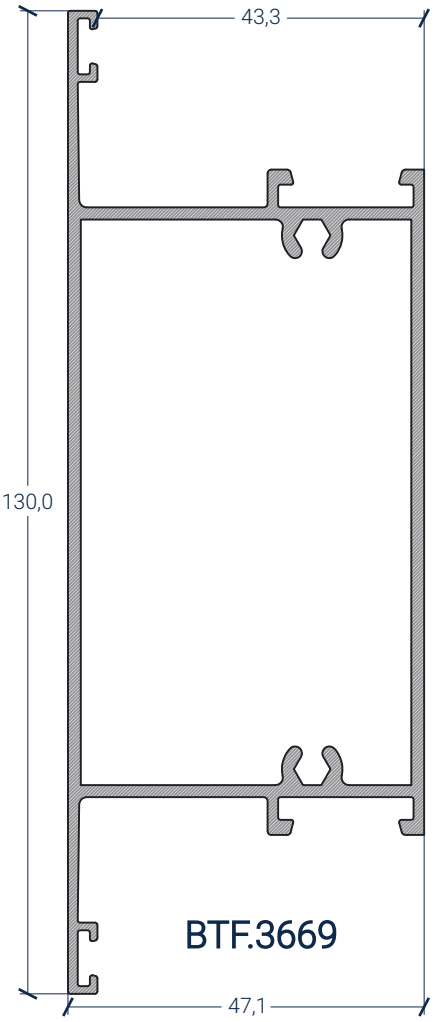
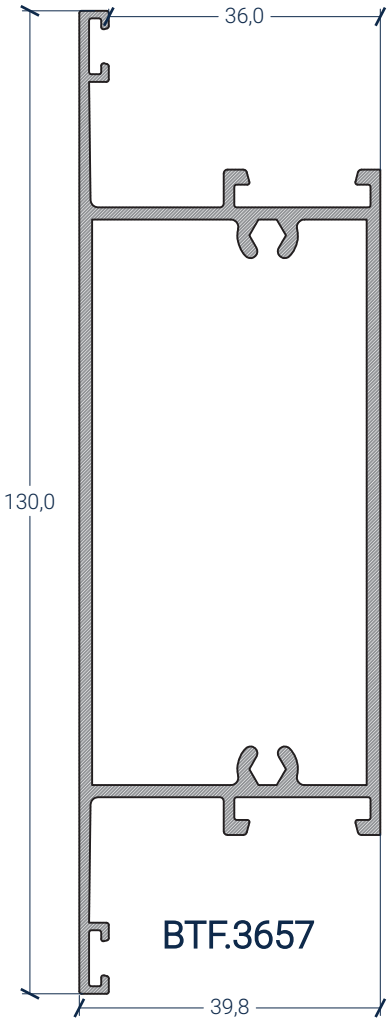
Travessas remates e pingadeiras



BTF.3669



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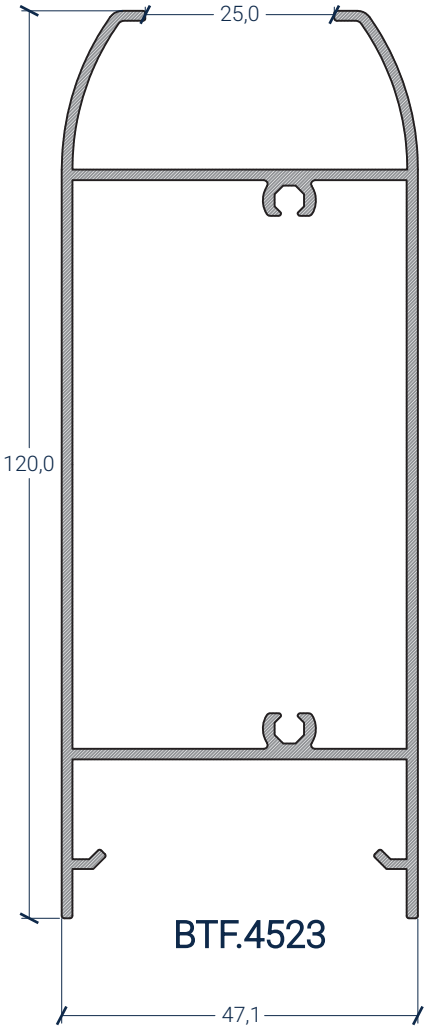
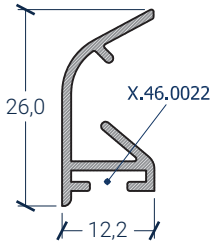
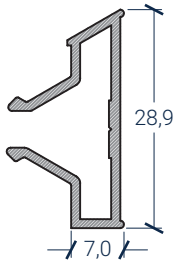


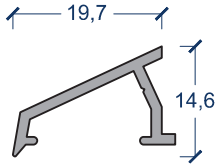
BTF.4523



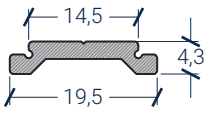
Y.0032



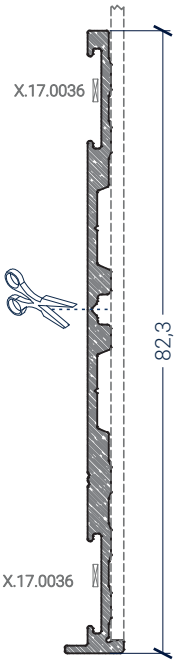
Y.0031

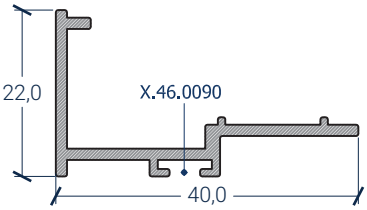


Y.4048

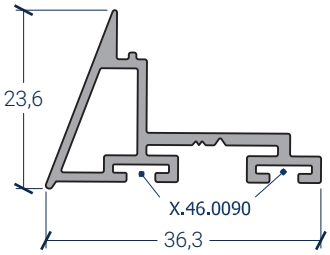


Y.4023

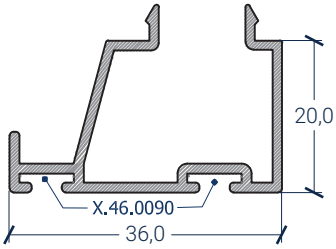




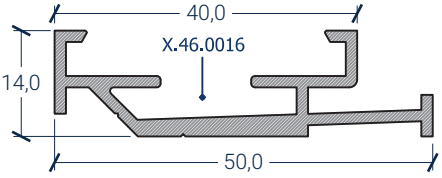
BTF.4098



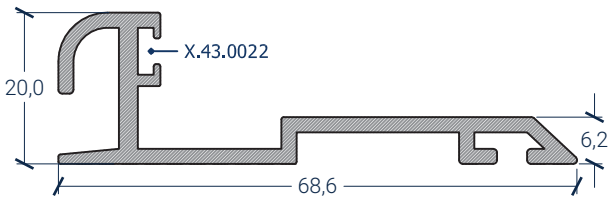
Y.0076



Y.2370



BTF.4097



Y.0075

Y.1515

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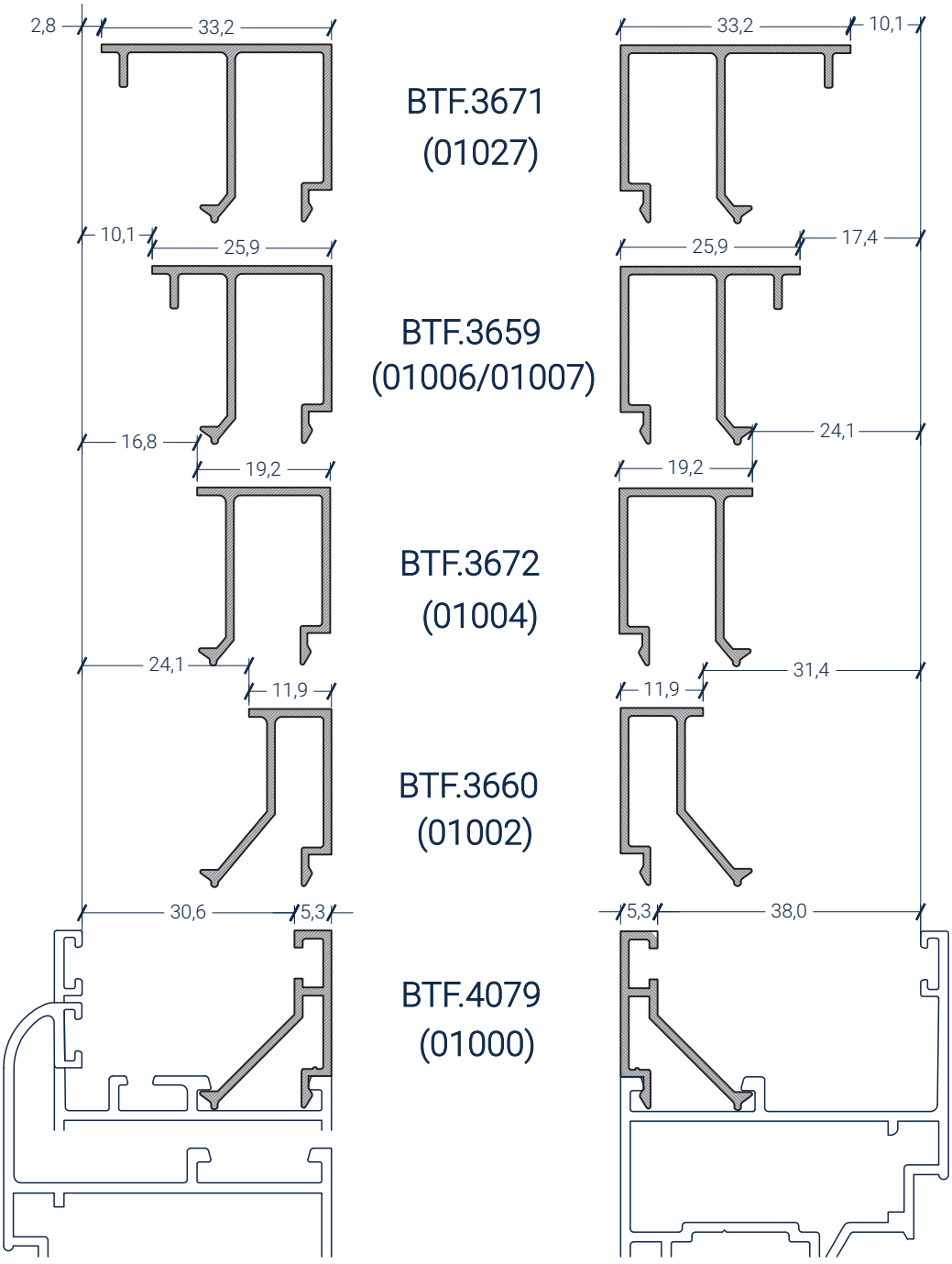
Bites e acessórios



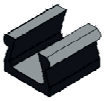
Fixos / Móveis curvos

Móveis retos

X.50.0002
Topo inversor BTF.3654

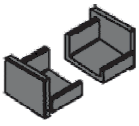
X.50.0034
Topo Pingadeira Y.0032

X.53.0002
Mola Pingadeira Y.0032



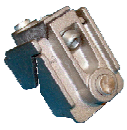
X.56.0041
Topo Pingante Y.0076

X.52.0051
Topo BTF.4006 (par)



X.46.0016
Vedante soleira BTF.4097

X.11.0003
Esq. M36 P10C (36x31)

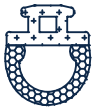


X.11.0052
Esq.Ap. 24x14

X.17.0030
Esq. Alinhamento (1,5x5,5)

X.41.0013
Vedante Central

X.43.0022
Vedante aro móvel



X.46.0022
Vedante pingadeira Y.32

X.11.0005
Esq. M36 P10C (36x14)

X.17.0007
Esq. Alinhamento (1,8x15)

X.17.0036
Esq. Alinh. (1x12,7)

X.42.0021
Vedante aro fixo

X.44.0030
Vedante ext vidros

X.46.0090
Vedante de pingante

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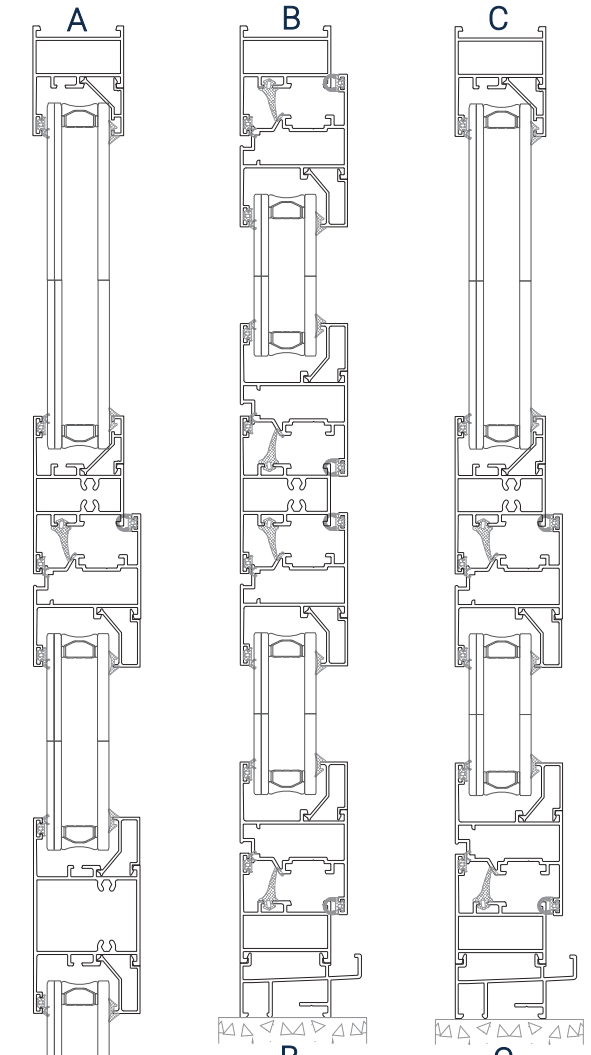
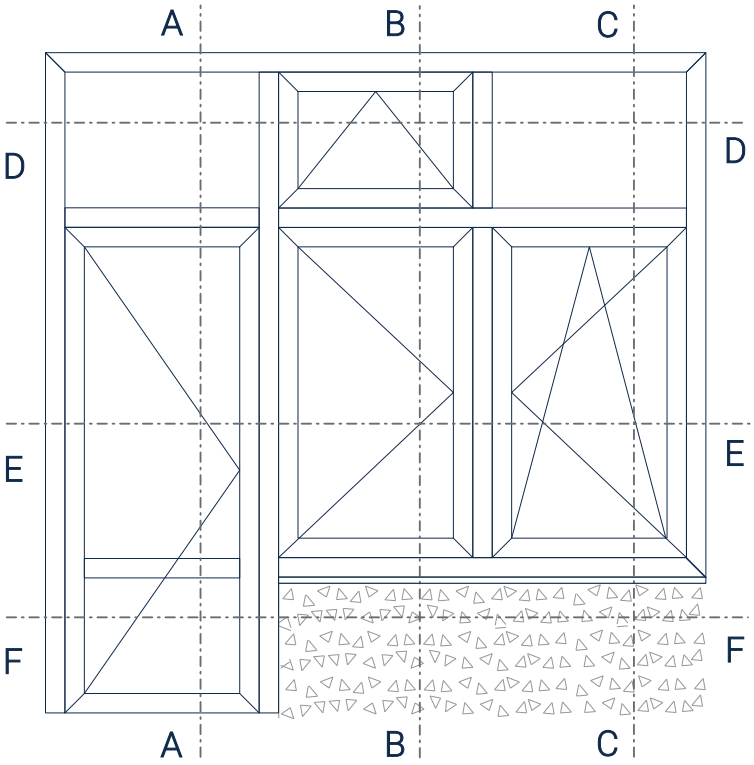
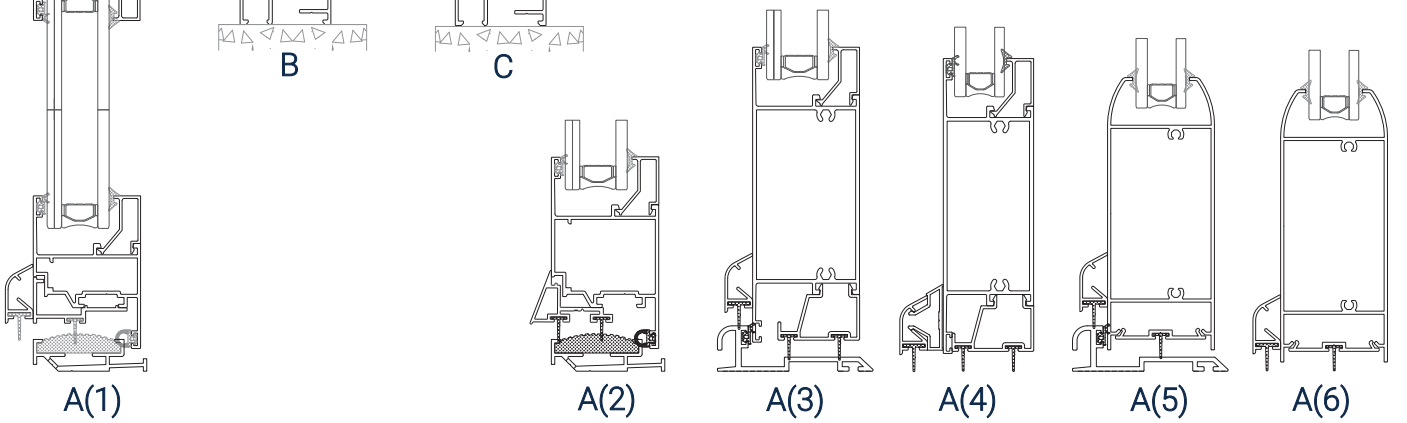
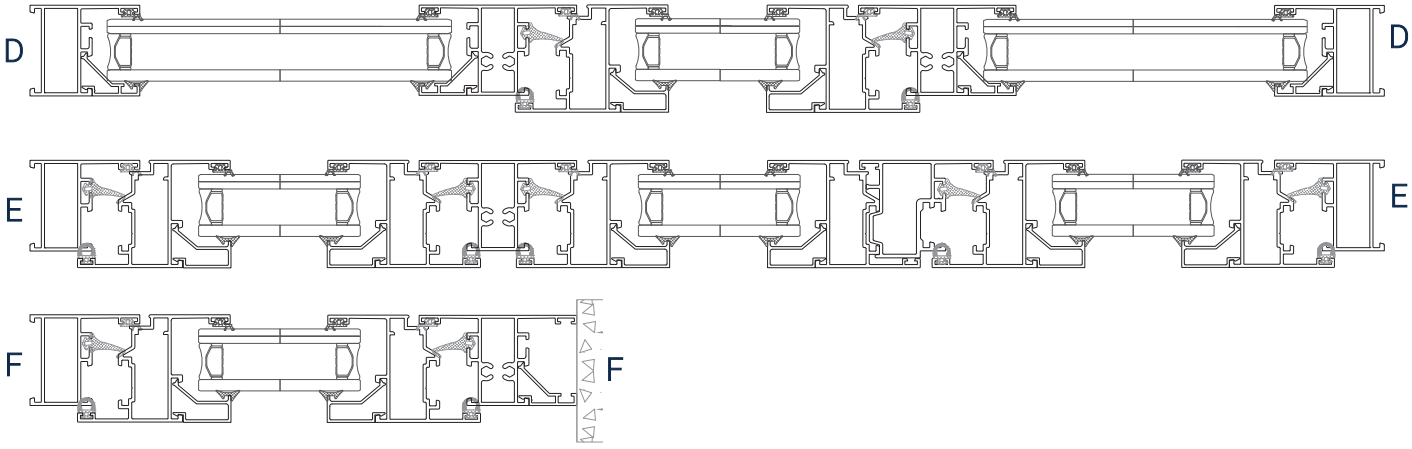
Pormenores de montagem



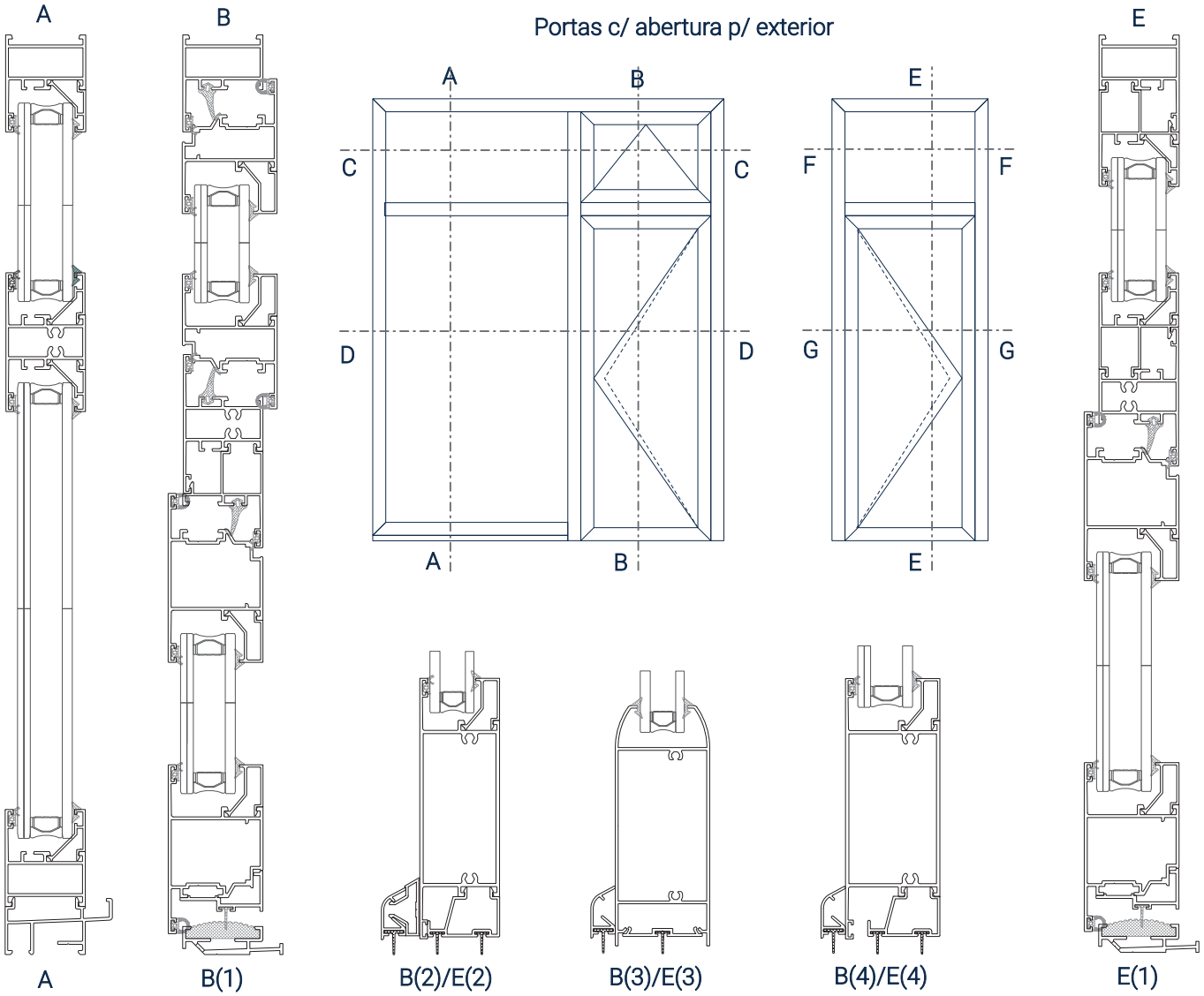


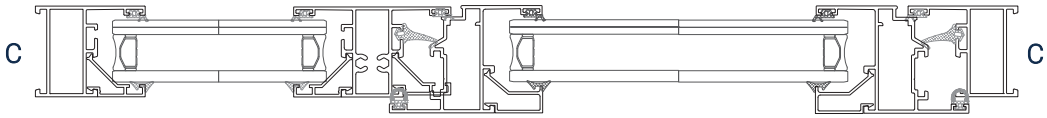


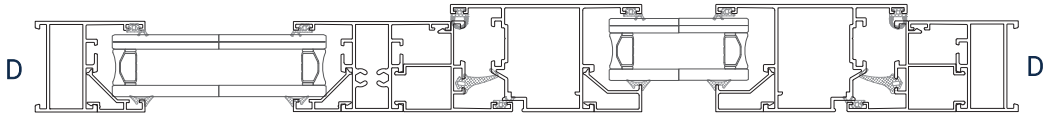


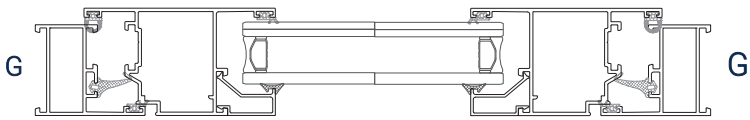
BTF - Urban 40

Pormenores de montagem









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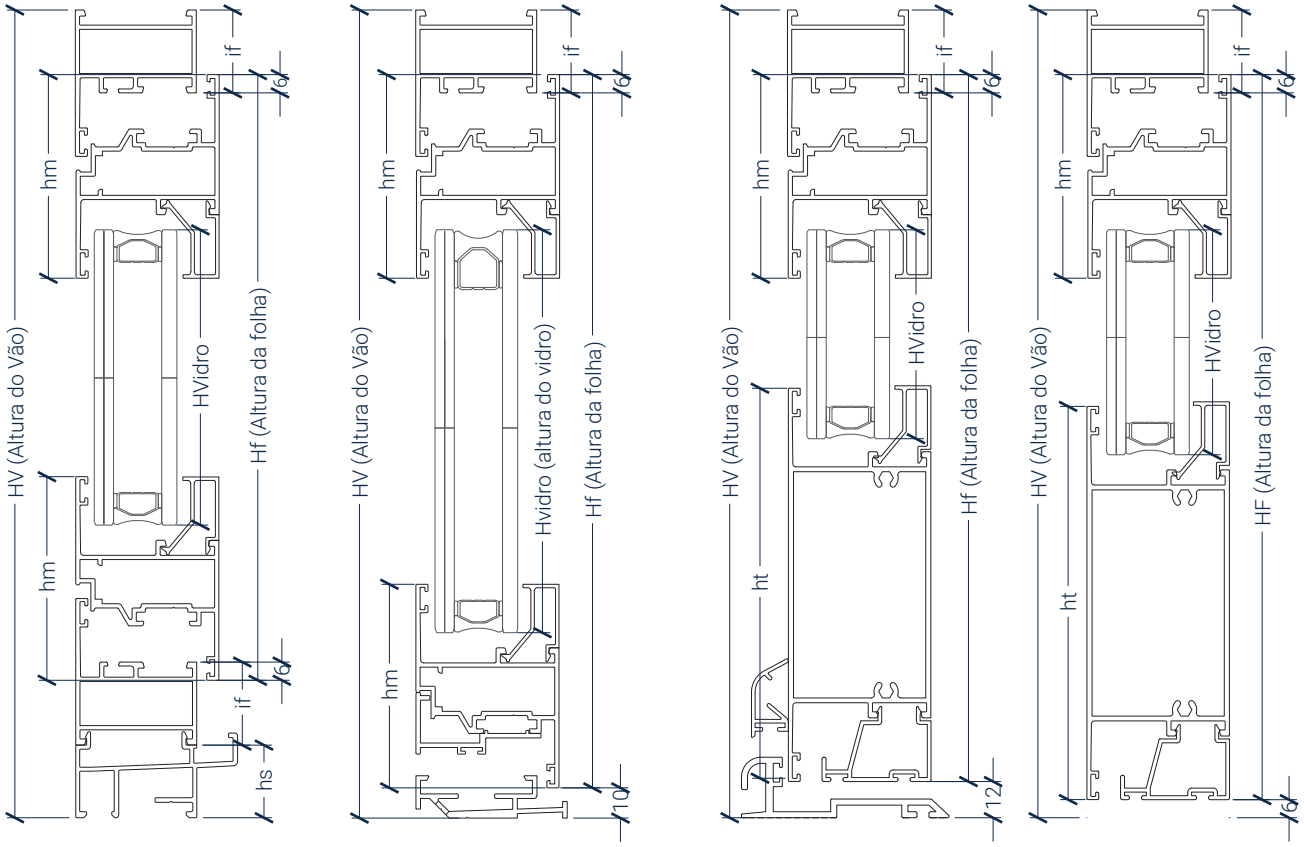
Medidas de corte



HF = (HV+12) - (2x if + hs)

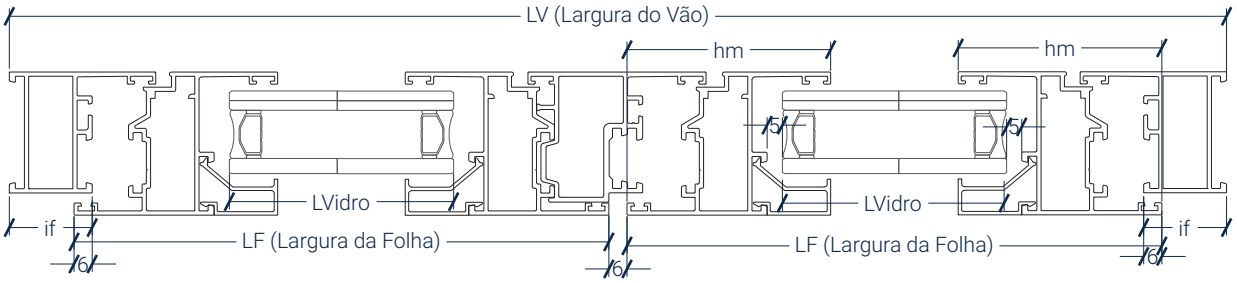
HF = HV - if - 4

HF = HV - if - 6

HF = HV - if

HVidro = HF +32 - 2x hm

HVidro = HF +32 - (hm + ht)

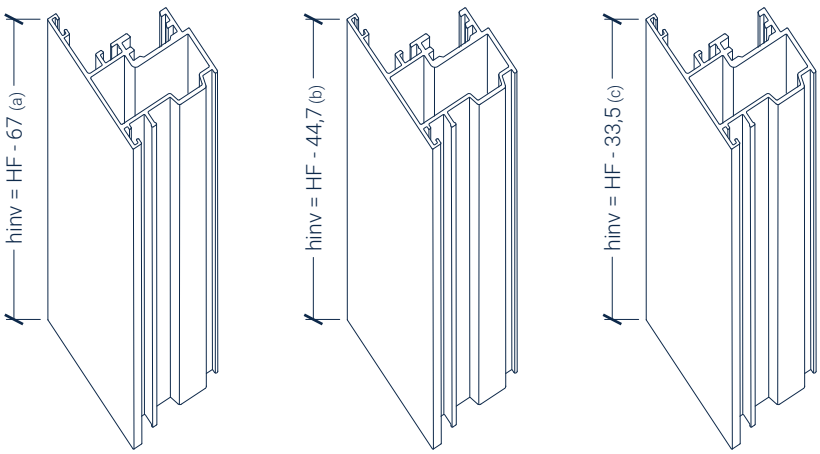


$$LF = \frac{(LV+12 - 2x\ if) - ((nF -1)x\ 6)}{nF}$$

LVidro = LF +32 - 2x hm

LEGENDA:

- HV - Altura do Vão
- LV - Largura do Vão
- HF - Altura da Folha
- LF - Largura da Folha
- nF - Nº de folhas
- LVidro - Largura do Vidro
- HVidro - Altura do Vidro
- if - Altura interior do aro fixo
- hs - Altura da soleira de condensação
- hm - Altura do aro móvel
- ht - Altura da travessa
- hinv - Altura do inversor central



(a)- c/aro fixo a toda a volta; (b)- c/soleira BTF.4097; (c)- c/ soleira Y.0075 ou nada